FOR MYSORE STATE

(C.P. Audit)

Public (1953) Department

MS SERIES.

G.O. NO. 2960

Dated 31.10.53.

Passed
Expdn
Any

go at p 3c f.

[Despatch Abstract.]

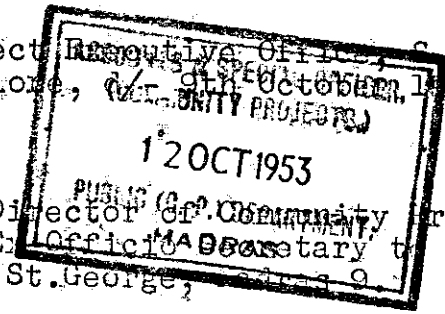
Community Projects — South Kanara Dist — Communications — Construction of a paved dip and a bridge on the Kutcha road from Permude to Mangalpet — Estimate - Sanctioned.

Bangalore

28063

Ref.C.No.241/52-B.

Project Executive Office, S.K.
Mangalore, d/- 9th October 1953.



From

Sri B.N.Hegde, B.A.,
Revenue Divisional Officer,
Puttur in charge.

To

The Director of Community Projec
and Ex-Officio Secretary to Govt
Fort St.George,

.....

Sir,

Sub: COMMUNITY PROJECTS - South Kanara - Forming a road from Permude to Mangalpet - Sub-estimate for constructing a bridge and paved dip - Sanction - Requested.

P.1 of (X)

P.3 of (X)

Ref: This Office Ref.C.No.241/52-B d/- 9-2-1953.
Government Memorandum No. 2750 Public (C.P.)-II/-53-1 dated 19-2-1953.

*****

In this office reference cited above, I had submitte an estimate for Rs. 13,500/- for the construction of the paved dip and a bridge for Permude to Mangalpet road for sanction explaining therein in detail the necessity for the constructio of the bridge and the paved dip. In the Government Memorandum cited above, the estimate was returned to me with instructions to get it scrutinize and technically approved by the Divisional Engineer (Highways) South Kanara. Accordingly the estimate was forwarded to the Divisional Engineer for technical scrutiny and the same was returned to me in his office reference Rc.D4.8620/52 dated 16-9-1953 after scrutiny. The revised estimate after scrutiny comes to Rs. 12,500/-(Rs. 1,100/- for the paved dip and Rs. 11,400/- for the bridge)

p.t.o.

2

The estimate submitted herewith may kindly be sanctioned.

9/10/53

FOR REVENUE DIVISIONAL OFFICER,
PUTTUR IN CHARGE.

Enclosure:
Estimate in duplicate.

T/9.10.

Pub(C.R.Audit) Dept.

I.C.No 28003/53.

G.O.Ms.No 2960, dated 31-10-53

Abstract:- Community Projects - South Kanara Area - Communications - Construction of a paved dip and a bridge on the kutcha road from Permude to Mangalpet - Estimate - Sanctioned -

Read: From the P.E.O., Mangalore,
Rc.C.No 241/52-B. dated 9-10-53

Order:-

Sanction is accorded to an expenditure ~~not exceeding~~ Rs 12.500/- (Rupees twelve thousand five hundred) only, for the construction of a paved dip and a bridge of 2 spans, on the 3 Miles of kutcha road from Permude to Mangalpet, laid entirely by the people themselves. This sanction is counted against the provision in the Overall programme of the Area approved by the State Govt., and communicated to C.P.A.

2. The expenditure should be debited to "63-B. Community Development Projects - h. Civil works - Communications - Works."

3. The P.E.O., Mangalore, should speedily get the work executed according to the plans and estimate herewith returned approved and submit a copy of the completion report to Govt in due course.

The land required for

the formation of the road may be got transferred to Govt. early.

28/10/53.

E 3010/B WP 80/10/53

(By Regd. post)

To.

The R.E.O., Mangalore. (with enclosures)
" A.G. Madras.
Copy to the Secretary, C.P.A. Rashtrapati Bhavan New Delhi.
" " Collector, South Kanara.
" " S.L.A. Balakrishnan. B.A.B.L. I.A.S. A.G. Madras.
" " (C.P.Accts) Deptt.
" " (C.P. Tech'l) Deptt.

S.F. - 2
Spare - 1

C.B. & Monthly
& Copying No. 282
12/11/53.

Copy post mi 57

Public (C.P.Audit) Dept.

No. 28003/537

Sub:- Community Projects- South Kanara Area- Communications.- Construction of a paved dip and a bridge on the Kutcha road from Permude to Mangalpet- Estimate -

pp:1-2 C.f.

Ref:- From the P.E.O., Mangalore, Ref. C.No. 241/52-B.M/9-10-53.

Please see the letter from the P.E.O., Mangalore, at pp:1-2C.f. He has resubmitted the estimate for the Construction of a paved dip and a bridge on the road from Permude to Mangalpet, together amounting to Rs 12,500/- for sanction, after scrutiny and technical approval by the Asst. Engineer (Highways) South Kanara as instructed in the memo: at p:3 of (X).

Dip: Rs. 1100/
Bridge 11400/-
12500/-

The whole length of 3 Miles of this road has been formed entirely by the people themselves at a cost of about Rs 8000/- in addition to gifting away their lands through which the road passes. Hence the entire cost of construction of the dip & bridge estimated at Rs 12,500/- may be borne from C.P. Funds. The work has already been approved by the Project Advisory Committee and included in the approved overal programme for the Area. The estimate may be sanctioned and sent to the P.E.O. for execution. Subject to orders, a draft order sanctioning the expenditure is put up for approval. The estimate may also be countersigned.

p:1 of (X).

9/30/10/53

All papers on (X) may be taken and awarded to us after issue of DCP papers after time.

28/10/53

29/10/53

30/10/53

30/10/53

DCP (a.i)

b

Issued as G. O. Ms No 29 bo Pub (Pp) 31. 10. 53.

Sub to D. C. P.

Report to accompany the Estimate for the formation of a road from Permude to Hanegalpet Rs 20,000/-

The village of Permude is not served by any road except the Pt. Board road from Mangalore to Hubli going along its eastern boundary. The proposed new village road starts at 12/4 on the Mangalore Kunigoli ~~Gooptur Hubli~~ road and passes right through the village of Permude and crosses a stream at Permude and then enters Kuthethoor village and joins the Sanchalkal Bagge road at 4/3 from the Sanchalkal (near Hanegalpet). At 2/4 of the proposed road a village road branches off to the valley of Kuthethoor village and has already been formed by the villagers some half a dozen years ago. Hence it will be seen that the proposed road besides not only the village of Permude with Bagge the block head quarters and Sanchalkal but also connects Kuthethoor village with Yelkur, Kunigoli & other places. Hence it forms one of the most important links in the network of village communications now under taken by the Community Project.

Road work - Rs 8000/- The entire length of the road is 3 miles and the width proposed is 15' 0" with necessary drains and with drains & very rough road exists for half a mile on either ends of the proposed road. The has to be widened & additions to

lingering = under of new road through hills and valleys. The road passes through the lands of three khasi land holders and it is expected that the lands will be required for the formation of the road. At some places the land already purchased has not been taken either due to the necessity of avoiding too many costly ~~buildings~~ buildings or to the ~~large~~ large loads of ~~land~~ land holders. Necessary provisions have been made in the estimate for the very possible, embankments and earthwork and masonry works, rough dressed stone slopping pitching for retaining walls, parapet walls and wide shoulders etc. in the hills

Road Culvert slip on C/A Est Rs 1000/- The proposed culvert near the 12th M.S. Mawlai Mawdiang is ~~not~~ found that the water here is not more than one or two feet and that the whole thing is construction necessary shortly. But being on the top of a hill the current is strong the road on one side is on a flat for about a furlong and a parapet slip instead of a culvert is proposed. This will also avoid the necessity of ~~providing~~ providing ~~the~~ culvert.

It is proposed to make a pukka dip 45'-0" x 12'-0" with 20'x12' of apron at both the approaches ~~Remarks~~ as shown in plan. It is proposed to ~~provide~~ the ~~pukka~~ laterite rock. ~~with~~ ~~a~~ ~~layer~~ ~~of~~ ~~cement~~ ~~concrete~~ ~~1:2:4~~ ~~8~~ ~~inch~~ ~~thick~~ ~~enough~~ ~~to~~ ~~submerge~~ ~~4"~~ ~~below~~ ~~the~~ ~~present~~ ~~bed~~ ~~level~~. ~~The~~ ~~top~~ ~~4"~~ ~~will~~ ~~be~~ ~~of~~ ~~single~~ ~~concrete~~ ~~1:2:4~~. ~~It~~ ~~is~~ ~~also~~ ~~proposed~~ ~~to~~ ~~have~~ ~~a~~ ~~retaining~~ ~~wall~~ ~~also~~ ~~of~~ ~~single~~ ~~concrete~~ ~~1:2:4~~ ~~on~~ ~~the~~ ~~down~~ ~~stream~~ ~~side~~. ~~Also~~ ~~provision~~ ~~has~~ ~~been~~ ~~made~~ ~~for~~ ~~a~~ ~~retaining~~ ~~wall~~ ~~for~~ ~~the~~ ~~down~~ ~~if~~ ~~laterite~~ ~~rock~~ ~~is~~ ~~not~~ ~~found~~ ~~within~~ ~~the~~ ~~required~~ depths

The proposed sewer line to cross Bicentennial stream at ½ the elevation of the stream is 2 sq. miles drainage area. Use the formula for rural

Q = C I A

I = 2 in/hr

Q = 1.2 x 2 = 2.4 cfs

Assuming a velocity of 4 ft./sec. the width of stream at ½ elevation = 1.5 x 2 = 3 ft.

The M F L on 12" sewer line based on the minimum grade and assuming a pipe full will be 341 - 2.5 = 338.5 ft. Invert at this point will be 338.5 - 2.5 = 336 ft. The bottom of the trench should be 4' below M F L.

The R. C. slab from middle abutment to pier #1 shows 4 #5 bars. 4 #5 from #2 to #3 plus 4 #5 and the #4 bars are to run continuous. The bottom of middle abutment footing is 4' 6" and 3'0 depth of foundation is adequately found. By means of footings, concrete and reinforcing work will be completed to meet the ground surface at the end of the stream itself. If this be the case during actual construction the rock is to be benched and a final leveling course of concrete 1:2:4 laid

10 cement mortar 1:2 and set as for the
abutments & the foundations of piers
& prepare sound the superstructure
of piers, provisions of product with
required steel as proposed on P.R.
measuring 1.00 x 3.00 m = 3 M 1:6. Cu
measuring 1.00 x 1.00 x 2 cm and concrete
3" thick, on the two sides. Hand
rail on the piers as proposed with the
new bearing which has been kept
120 each. Necessary provision
have been made in design also
for providing the expansion and
of superstructure as per Codal
and the [illegible] measurements
as per actuals. Rates
shown [illegible]

Countersigned.

17/ 14/11
DIVL. ENGINEER,
HIGHWAYS, BANGALORE.
21/12/11

Executive Engineer
9/11/11.

and Bridges

43/11

Road work

1. Ground rough stone, broken stone etc	Road side.	½ mile round

Paved duty at 0/4

1) Ground rough stone broken stone etc	Near site (French Quarry)	2 fly head load
2) Gravel	Yekkar Quarry bed	3 mile road.
3) Cement	Mangalore.	13 miles road via Gurupur
4) Shingle.	AC site	½ fly. head load.

Bridge of 2 spans of 15'-0" on 1/7

1. Ground rough stone broken stone etc	AC site	½ furlong head load.
2. Gravel	AC site	½ furlong head load

12 Cement Mangalore { 10 miles metalled from
6 miles cart
1 fly, inland road.

Sand

[illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible]

Countersigned.
18 DIVL. ENGINEER,
HIGHWAYS, MANGALORE.

Qty.	Description	Rate	per	Unit	Amount
1A)	Earthwork excavation in ordinary ground not requiring				
	the use of explosives nor involving				
	excavation in boulders exceeding 1 cubic				
	metre in volume including				
	disposal of excavated				
	material as directed				
10000 cft	Excavation in trench	18 14 0	1000	cft	15-14-0
	5) 14 0				
10 Nos	Extra for each	1-2-0	each	each	11 4 0
2000	Breaking clods, consoli-				
cft	dating etc	0-12-0	1000	cft	0 12 0
					31-0-0
					31/-

Total

Certified that the rates entered are correct to the best of my knowledge.

Countersigned.

Divisional Engineer

19/2/49

DIVL. ENGINEER,
2. PROJECTS, BANGALORE.

2/4

=overhang of Road from Pavement
to Madgaon -

53/13

Detailed Estimate

Description	NO	Length	Breadth	Depth	Mean Quantity	Total
1 Clearing light jungle	12	660 0	22' 0		174240	174000 sft
2 Clearing scrub jungle	4	660 0	22' 0		58080	58000 sft
3 Earthwork excavation for the formation of road and drain in all sorts						
Km 0/2	1	300 0	9' 0"	2'-0"	5400	
Km 0/3	1	200 0	9'-0"	1'-6"	2700	
Km 0/3	1	200 0	9'-0"	1'-0"	1800	
Km 0/4	1	50'-0	15'-0"	1'-0"	750	
Km 0/4	1	300 0	18 0"	0'-6"	2700	
Km 0/5	1	360'-0	15'-0"	0'-6"	3240	
-do-	1	100'-0"	15'-0"	1'-0"	1800	
-do-	1	200'-0"	9'-0"	4'-0"	7200	
Km 0/6	1	5000	9'-0"	$\frac{6'\ 0'}{2}$	13500	
Km 0/7	1	550	9'-0"	$\frac{6'\ 0"}{2}$	14850	
Km 0/7	1	110'-0"	4'-0"	$\frac{4'-0"}{2}$	1980	
Km 0/8	1	240'-0"	9'-0"	3'-0"	7330	
Km 1/2	1	160 0	18'-0"	1'-0"	2880	
Km 1/2	1	500-0	9'-0"	$\frac{6'-0"}{2}$	13500	
Km 1/3	1	400 0	9'-0"	$\frac{6'-0"}{2}$	10800	
Km 1/3	1	260-0	9'-0"	$\frac{4'\ 0"}{2}$	3780	
Km 1/4	1	300'0	9'-0"	$\frac{6'-0"}{2}$	5100	
Km 1/5	1	200'0	9'-0"	$\frac{4'-0"}{2}$	3600	
Km 1/5	1	400'0"	9'-0"	$\frac{5'-0"}{2}$	1-0	
Km 1/6	1	360'0	9'-0"	5'-0"	8100	
					124860	

Description	No.	L.	B.	D	Amount
				BF	124360
For embankments in 1/6	1	1 4	15 0	1' 0"	2700
" "	1	150	15 0	2' 0"	7400
culvert in 1/7	1	300	9' 0	10' 0" / 2	13500
In 1/8	1	201	4' 0	5' 0" / 2	7200
In 1/9	1	460	4' 0	5' 0" / 2	6210
In 1/1	1	420	4' 0	5' 0" / 2	5710
In 1/2	1	600	4' 0	10' 0" / 2	24100
For [illegible] in 2/3	1	600	12' 0	0' 3"	2910
culvert in 2/4	1	600	12' 0	0' 3"	2910
do in 2/5	1	600	12' 0	0' 3"	2910
do in 2/6	1	600	12' 0	0' 3"	2910
6 rooms	1/	35400	2' 0"	1' 0"	47200
Cable trenches	3/1	1560	2' 0"	1' 0"	23400
					251460 ✓ 252000

Alteration to [illegible] work

3. Earthwork excavation in ordinary soil 10,000cft

4) — do — in hard ground 50,000 cft

5) — do — in hard ground 75,000 cft

6) — do — in ordinary ground 127,000 cft

7) — do — in ordinary soil 20,000 cft

8). For carriage and lifting over the existing bund 1 s

9) Breaking blocks, consolidation & dressing 1 s

10) Blasting granite and laterite rock wherever necessary. 1 s

(P.S. 57000 ✓)

Continued

P.W.D. V–39—57,603—4-4-51.

Data sheet to accompany the estimate for Improvement of a road from Permude to Mangalpet

Quantity.	Description of work.	Rate.			Per	Amount.			Total.
	Rs.	Rs.	A.	P.		Rs.	A.	P.	
	Rs.								
	Earthwork								
	1) clearing light jungle				100 sft				
100 sft	S. I. 13.		0	2 6	100 sft	0	2	6	0-2-6
	2) clearing scrub jungle				100 sft				
100 sft	S 7		0	1 0	100 sft	0	1	0	0-1-0
	3) Earthwork excavation in hard								
	hard rock. S 7 [illegible]		33	14 0	100 cft	33	14	0	33-14-0
	4) -do- Filling of sound and dis-								
	integrated rock S 7 11 B		23	4 0	100 cft	23	4	0	23-4-0
	5) -do- in hard gravelly soil. 100 cft								
	S 7. 15 B		21	6 0	100 cft	21	6	0	21-6-0
	6) -do- ordinary gravel. 100 cft								
	S 7 14 B		18	14 0	100 cft	18	14	0	18-14-0
	7) -do- ordinary soil								
	S 7 13 B		10	14 0	100 cft	10	14	0	10-14-0
	8) Extra for every additional 10 yds								
	over the initial lead.		1	2 0	100 cft	1	2	0	1-2-0
	9) Breaking clods & conserving during								
	rechumping		0	14 0	1000 cft	1	14	0	0-14-0
	10) Extended rough stone dry pitching								
	for revetment and								
	apron:								100 sft
110 sft	Rough stones S 7 22 L		6	0 0	100 cft	6	1	7	
	Lead ½ mile extra		11	1 0	"	5	2	6	
1 No	Woodcutter		5	0 0	each	5	0	0	
3 Nos	Mens mazdoor		4	8 0	"	14	8	0	
2 Nos	Womens mazdoor		0	12 0	"		3	0	
	Sundries						3	11	
						21	0	0	21/-

16

P.W.D. V–39—57,603 4-51.

Data sheet to accompany the estimate for (2) _____.

Quantity.	Description of work.	Rate.	Per	Amount.	Total.
	Providing & fixing	Rs. A. P.		Rs. A. P.	
2' 9"	x 0' 9" x 0' 4"				
	masonry in				
	excavation 5 7 30	3 12 0	Each	3 12 0	
11/16 cft	Lead ½ inch round	4 11 0	100 cft	0 0 6	
				3 12 6	3-12-6
12)	Providing & fixing			made	
	x 0' 6" with the				
	5 5 29	20 0 0	Each	20 0 0	
15/4	Lead ½ inch round	4 11 0	100 cft	0 2 10	
				20 2 10	20-2-9
II	Formation of				
	(Please see separate sheet attached)				
1)	Earthwork excavation				
	in	15 14 0	1000 cft	18 14 0	15-14-0
2)	- do - Hard, stiff	21 6 0	"	21 6 0	21-6-0
3)	Soft Laterite rock	23 14 0	"	23 14 0	23-14-0
A)	Concrete Layer				
	C M 1 : 5 : 10				
100 cft	Broken stone	2 3 0	100 CM	2 3 0	
50 cft	Sand	1 5 0	"	1 4 0	
10 cft	Cement	7 0 0	Ton	36 0 0	
50 cft	Masonry mason	4 5 0	100 cft	2 4 0	
½ NO	Mason	3 2 0	each	1 9 0	
5 NOS	Men Hangdown	1 8 0	"	7 8 0	
4 NOS	Women mazdoor	0 12 0	"	3 0 0	
100 cft	Lead for broken stone 2 fly inch ring	6 4 0	100 cft	6 14 0	
50 cft	Sand lead 3 miles	16 6 0	100 cft	8 3 3	
10 cft	Cement lead 15 miles	51 12 6	17	5 2 10	
	Sundries			0 2 11	
				95 0 0	95/-

Qty.	Details	Rate per unit	Total
	Roadwork		
174,000 sft	1) clearing light jungle	0-2-6 100 sft	272
28,000 sft	2) clearing scrub jungle	0-1-0 "	36.
11,000 cft	3) Earthwork excavation in hard laterite rock	3-14-0 100 cft	339.
50,000 cft	4) Exc. in ordinary gravel mixed with disintegrated rock	2-6-0 "	1163
75,000 cft	5) " in hard gravel	2-1-0 "	1003.
121,000 cft	6) " in ordinary gravel	18-14-0 "	2397
20,000 cft	7) " in swampy soil	10-14-0 "	218.
	8) Extra for every additional 10 ft lifts over the initial 5 ft		202
	9) Extra for dressing slopes to side slopes as directed		50
	10) Extra for dressing ground to receive filling 2 ft		200
414 cft	11) Hard rock excavation in blasting other than that in trenches or foundations of culverts	21-0-0 100 cft	924
21 Nos	12) Providing and fixing guide stones Size. 2-9 x 0-9 x 0-9	3 12 0 each	79
2 Nos	13) Providing & fixing mile stones Size. 5-0 x 1-6 x 0-6	20-2-4 "	41
	14) Extra for extra depth of cutting 5 ft		210
	15) Petty supervision charges @ 5 %		208
	16) Constructing a bridge at 17 of proposed Devanuda road. (Sub estimate)		8000
	17) Constructing paved dip in 9/10 of proposed Devanuda road.		1400
			1100
			20800/—

Qty.	Description.	Rate	per	Amount	Total
	Formation of a paved dip at 9/4			See separate sheet attached	
	1) Earthwork excavation in all sorts. 2 S			50.	
200 cft	2) Concrete broken stone 1½" ring. in C.M. 1:5:10	95 0 0	100 cft	190.	
360 cft	3) Coursed rubble 1st sort in C.M. 1:5	96 0 0	"	346.	
1000 cft	4) Rough stone dry packing for apron & revetment	35 0 0	"	350.	
	5) Temporary sheeting			30.	
	6) Pelly superintendence Charges			34.	
	Total			1000	1000
2)	**Bridge of 2 spans of 15' 0" in 1/7 of Permanade Road**				
	1) Earthwork excavation in all sorts including dewatering work. 2 S.			500 ~~300~~.	
	2) Baling out water 2 S			200.	
350 400 cft	3) Concrete broken stone 1½" ring. in C.M. 1:3:6.	109-00 ~~111-0-0~~	100 cft	381 ~~389~~ ~~999~~	
3450 cft	4) Coursed rubble 2nd sort in C.M. 1:5.	85-60 ~~88 0 0~~	"	3372 ~~3476~~	
750 cft	5) C.R. 1st sort in C.M. 1:6	102-2-0 ~~104-0-0~~	"	766 ~~792~~	
550 ~~635~~ cft	6) R.C. concrete for slab & kerb	4 8 0	cft	2475 ~~2405~~	
45 cft	7) R.C. concrete for hand rails	9 0 0	"	405	
95 90 cft	8) wearing coat of cement concrete 1:1½:3 with ¾" ring. broken stone	195-8-0 ~~198-0-0~~	100 cft	186 ~~188~~	
2200 ~~4600~~ cft	9) Rough stone dry packing for revetment	29 0 0	"	638 ~~442~~	
50 000 cft	10) Earthwork excavation in ordinary gravel for foundation	18-1-0	1000	398 ~~1440~~	

Abstract Estimate.

C.F 150 (2)

Quantity. (1)	Description of work. (2)	Item number in the schedule of rates. (3)	Rate. Rs. (4)	A.	P.	Per (5)	Total. Rs.	A.	P.	Amount. Rs. (7)	A.	P.
	Addl load for carts worth											
	(1) Unforeseen items including extra depth of foundation, ground, masonry											
	(2) Petty superviseum											
	Total abstract											
	I Earthwork											
	II Formation of 1											
	III Bridge of 2 spans											
	Supervision charges at 5 per cent											
	Grand Total Estimate ..											

Divisional officer (or other countersigning officer to be named).

Countersigned

Sanctioned for 19 –19

Signature and designation of the officer submitting this estimate.

DIVL. ENGINEER,
HIGHWAYS, MANGALORE.

Collector or other sanctioning officer (to be named).

Tahsildar or other officer (to be named)

20

Specification

District S. Kan
Mam

Taluk ~~Perumade~~

Village No. Perumade &
Kuthuchoom

Name of work No. formation of
a. Road from Perumade
to Nemegalyam Est 2150 00

ESTIMATE ABSTRACT.

Budget head

Main head

Sub-head

Amount of Estimate

Sanction number and date

To be carried out by

C.F. 150 (2).

174,055—24-10-51.

Description	No.	L.	B.	D.	Area or content	Total
III Bridge of 2 spans of 15'-0" in 1/7.						
1. Earthwork excavation in all sorts for foundation						
Foundn of Abutment & wings	2	17'6"	12'-6"	11'6"	5031.	
— do — pier	1	19'0"	5'-6"	3'-0"	314.	
					53.45	6000 cft
2) Concrete broken stone ~~1 1/2"~~ 1 1/2" gge in C.M 1:3:6.						
Under abutment & wings 40'50 to ~~38'50~~ 40'00.	2	117'6"	12'6"	~~2'0"~~ 0'6"	~~675~~ 219 52 ~~209~~ 29 ~~884~~ 350	350. ~~900~~ cft
— do — pier	1	19'0"	5'-6"	2'-0"		
Entire if regd.						
3) Coursed rubble 2nd sort in C.M 1:5.						
Foundn of abutment 40'50 to 41'50	—	16'-0"	8'-0"	1'-0"	256.	
— do wings	2x2	3'0"	6'6"	1'-0"	75.	
— do — piers	1	17'0"	3'-6"	1'-0"	60.	
Superstructure abutment 41'50 to 43'50	2	15'6"	7'6"	2'-0"	465.	
— do — wings	2x2	3'0"	6'-0"	2'-0"	144.	
— do abutments 43'50 to 45'50	2	15'6"	6'9"	2'0"	419.	
— do — wings	2x2	3'-9"	5'-6"	2'-0"	165.	
— do — abutments 45'50 to 47'50.	2	15'6"	6'-0"	2'-0"	372.	
— do — wings	2x2	4'6"	5'-0"	2'-0"	180.	
— do — abutments 47'50 to 49'50	2	15'-6"	5'-3"	2'-0"	326.	
— do — wings	2x2	5'-3"	4'-3"	2'-0"	179.	
— do — abutments 49'50 to 51'50	2	15'6"	4'-6"	2'-0"	279.	
— do — wings	2x2	6'0"	3'-6"	2'-0"	168.	
— do — abutments 51'50 to 53'50	2	15'-6"	3'-6"	2'-0"	217.	
— do — wings	2x2	7'0"	2'-9"	2'-0"	154.	
— do — abutments 53'50 to 55'50	2	15'-6"	2'-6"	2'-0"	155.	
— do — wings	2x2	8'0"	2'-0"	2'-0"	128.	
Benching to slab	2	13'6"	1'-6"	1'-1½"	46.	
— do — wings	2x2	10'6"	2'-0"	1'-1½"	95.	
Wheel guard beyond abutment	2x2	6'6"	0'-9"	1'0"	20	
					3906	

⊗ B.F. from page

	No	L	B	D	Quantity	Total
11) Labour in rough stone dry pitching for apron & revetment						
Panel 1 upto down	2	24	6·0"	1'-0"	416	4200 cft
12) Providing & fixing finishing railings with necessary misc. fixtures						
Size		2"	0	9"	0'-4"	
Along road		37			21	21 Nos
13) Providing & fixing mild steel wire with necessary misc. fixtures						
Size		5'0"	× 1'-6"	× 0'6"		
Along road		3			3	3 Nos.
14) Unforeseen items of work					1	LS
15) Daily supervision charges					1	LS

II Formation of a proper slip in D/W

1) Earthwork excavation foundation in all soft

Foundation of rubble walls & under water	1	158	0	2' 6"	2' 0"	790
Paved portion	1	59	0	14·0	1'-0"	826
						1616 1600 cft

2) Concrete broken stone 1½" size in C.C. 1:5:10.

Foundation of rubble work	1	156	0	2' 6"	0' 6"	195 200 cft

3) Coursed rubble in masonry in cement mortar in C.M. 1:5

Retaining wall	1	156	0	1' 6"	1' 6"	351 360 cft

4) Dry stone slope protection for apron and revetment

Paved dry	1	60	0	15 0"	1'-0"	900
Ld excess for revetment						100
						1000 1000 cft

Unforeseen items of work 1 LS.

Daily supervision charges

DETAILED ESTIMATE.

298,686—28-9-50.—C.P. 100 (1).

57

23

District | Taluk

Village and Survey | Date and cost of original construction

Name and number of work. | Date and cost of last repairs.

Details of work.	Number.	Measurement in feet. Length.	Breadth.	Depth.	Area or contents.	Total quantity of each description of work.
4) Coursed rubble 1:4	work		c M	1:6		
Pier superstructure	1	13'-6"	2' 6"	14' 0"	473.	
4 -do- cut walling	1 12/7	2' 6"	2'-6" 4	14' 0"	69	
Pedestal	4x2	1' 6"	1' 9"	3' 6"	74 57	
-do- coping	4x2	1'-9"	2'-0"	0'-2½"	18	
Parapet wall	2x2	6'-6"	1'-6"	1 10½"	49.	
coping	2x2	6' 6"	1' 3"	0 7½"	20	
5) R C concrete 1:2:4					673 703	750 c/f
Slab	1	34'-6" 33 6	13'-6"	1' 11½"	524.00 505.75	2
curb	1	33'-6" 34'-6"	0'-9"	1'-0"	26.00 25.13	550. 535 c/f
					551.91 550.00	

Item 9. Rangalpet side- 1 x 75'-0" x $\frac{18+35}{2}$ x 10 = 21,000.
Parmudi side 1 x 100-0" x $\frac{18+35}{2}$ x 10 = 28000
49 000 cft
for 50,000 cft

C.E. 150 (1)

Details of work.	Number.	Measurement in Feet. Length.	Breadth.	Depth.	Area or contents.	Total quantity of each description of work.
6) RC concrete 1:2:4 for Pedestals resting	for terrace reinforcement					
	2x9	0'-5"	0'-7"	4'-3½"	18:60	
	2x2	8" x 4	3" x 0'-5"	x 0'-6"	26.33	45 c.ft.
7) Reinforcement steel of various sizes in RC concrete 1:1½:3 mixed with ¾" gauge broken stones. Cover slab.	1	33'-6" 37'-6"	12'-0"	0'-2½"	94	95 c.ft.
8) Rough stone dry packing for reinforcement as per work order. Entire for Rangalpet side. - do - Parmudi side.	for terrace reinforcement.					
	2	15-0	1'-0"	10'-0"	600	
	2	50-0	1'-0"	10'-0"	1000	
	4	11'-1"	1'-0"	15'-0"	6000	2200 c.ft.
					2200	
9) Earthwork excavation in ordinary soil for foundations, trenches, etc. including removal of surplus excavated materials to a distance not exceeding 50 ft. as directed by the Engineer-in-charge.						

Copy Received
DIVL. ENGINEER.
HIGHWAYS, MANGALORE.

Qty	Description	Units	per	Amount	Total
	5) Excavate rubble & cart away & C.W.F. 1:5"				400 cft
60 cft	C.R. alone including boulders	28-0-0	100 cft	16-12-10	
80 cft	Rough stone	16-0-0	"	8-0-0	
32 cft	Sand	2-8-0	"	0-12-10	
6 2/3 cft	Cement	90-0-0	100	24-0-0	
7 No	Labour	3-2-0	each	21-14-0	
4 No	Mason	1-8-0	"	6-0-0	
4 No	Labourer	0-12-0	"	3-0-0	
32 cft	Masonry work	4-8-0	100 cft	1-7-0	
11 cft	Lead for stone	6-14-0	"	7-9-0	
32 cft	Lead for sand	10-6-0	"	15-8	
6 2/3 cft	Lead for cement	51-12-6	"	3-7-4	
	Sundries			2-1-6	
				96-0-0	96/-
	6) Rough stone dry packing for foundations & apron				100 cft
110 cft	Rough stone	16-6-0	100 cft	17-4-7	
1 No	Waterman	3-0-0	each	3-0-0	
3 No	Mason	1-8-0	"	4-8-0	
2 No	Labourer	0-12-0	"	1-8-0	
110 cft	Lead for rough stone	6-14-0	100 cft	7-7-0	
	Sundries			0-13-3	
				35-0-0	35/-

Data Sheet,

Bridge of 2 spans of 15' in 1/4 of Devonside Road.

100 cft	1) Excavate earth & gravel foundations in ordinary ground	15-14-0	100 cft	15-14-0
	2) do. loose gravel	21-6-0	"	21-6-0
	3) Excavating in ground & rock	23-4-0	"	23-4-0
	4) Excavating in ground rock supplied & delivered	1-4-0	yd	1-4-0
	S.I.T.P.			
	5) Building out waterman	Optional		

96

		B.S.	
	a) Cows in the byre alone 1½ days		
100 cM	Bowden alone 1½ days	23-0-0	23-0-0
50 cM	Sound	2 8 "	1-4-0
16⅔ cM	cement	87-8-2	58-5-6
50 cM	Nursing	4 8 0 100 cM	2-4-0
½ NC	Mason	2-12-0 cem	1-6-0
2 NO		1-8 "	7 8 0
1 NO		0 2 "	3 4 0
100 cM		1-15 0 100	1 15 0
50 M		1-9 0 "	0-12-6
16⅔ cM		50-15-6	9-2-7
			0 6 7
			10 9 0
	b) Cows in the byre alone 1½ days		
100 cM	Bowden alone 1½ days	23-0-0	23-0-0
50 cM	Sound	2 8 "	1-4-0
16⅔ cM	cement	87-8-2	58-5-6
50 cM	Nursing	4 8 0 100 cM	2-4-0
½ NC	Mason	2-12-0 cem	1-6-0
2 NO		1-8 "	7 8 0
1 NO		0 2 "	3 4 0
100 cM		1-15 0 100	1 15 0
50 M		1-9 0 "	0-12-6
16⅔ cM		50-15-6	9-2-7
			0 6 7
			10 9 0
	c) Cows in the byre alone 1½ days		
100 cM	Bowden alone 1½ days	23-0-0	23-0-0
50 cM	Sound	2 8 "	1-4-0
16⅔ cM	cement	87-8-2	58-5-6
50 cM	Nursing	4 8 0 100 cM	2-4-0
½ NC	Mason	2-12-0 cem	1-6-0
2 NO		1-8 "	7 8 0
1 NO		0 2 "	3 4 0
100 cM		1-15 0 100	1 15 0
50 M		1-9 0 "	0-12-6
16⅔ cM		50-15-6	9-2-7
			0 6 7
			10 9 0

Qty	Description	Rate	per	Amount	Total
	3) Concrete in foundations				
110 cft	Stones in 5:2 1/2 cement mortar	38-0-0	100 cft	41-12-10	
48 cft	Sand	28.0	"	6-11-2	
48 cft	Cement	87-8-0	"	16-5-4	
4 2/3 cft	Concrete	2-12-0	cwt	27-8-0	
1 Nos	Masons	1-8-0	"	6-0-0	
4 Nos	Man labourers	0-12-0	"	3-0-0	
2 cft	Mason's benches	4-12-0	"	1-4-2	
110 cft	Mean to place concrete	1-15-0	100 cft	2-1-6	
48 cft	Sand for cement mortar	1-4	"	1-4-0	
4 2/3 cft	Sand for concrete	56-15-6		2-9-4	
	Contingencies			0-6-6	
	Total			102-2-10	
	4) Concrete (mixing, placing in 2nd floor in 1:4:8 proportion				
	R.C. work				
96 cft	Broken stones 3/4" gauge	42-0-0	100 cft	210-1	
48 cft	Sand	28.0	"	1-2-2	
24 cft	Cement	87-8-0	"	84-0-0	
4 3/4 cft	Masons	1-8-0	"	2-2-7	
1 No.	Mason	2-12-0	cwt	2-12-0	
2 Nos	Man labourers	1-8-0	"	9-0-0	
10 Nos	Women	0-12-0	"	7-5-0	
96 cft	Mean for placing concrete	1-19-0	100 cft	1-1-9	
48 cft	Sand for cement mortar	1-9-5	100 cft	6-12-0	
48 cft	Sand for concrete	56-15-6		13-3-0	
	Contingencies			0-4-5	
	Total			163-00	

Qty	Description	Rate	per	Amount	Total
10)	R C concrete for slab & kerb				
1 cft	Concrete broken stone in C.M. 1:2:4	163-00 ~~165-00~~	WO cft	1-10-1 ~~1-10-5~~	
6·24 lft	M. Steel ~~cylindrical~~ rounded rods ~~of lying grilles~~ 1 5	20-00	cwt.	1-1-8 2-0-0	
- do -	Bending rods & tying grills	5-12-0	- do -	0-5-10	
1·07 sft	Centering etc 2 5	0-11-3	sft	~~0-12-3~~ 0-10-5	
	Carried over			4 8 0	4 8 0
11)	R C. Concrete for ~~round~~ reinforcement				
1 cft	concrete broken stone in C.M. 1-2-4	163-00 ~~165-00~~	WO cft	1-10-1 ~~1-10-5~~	
15 lbs	M. Steel ~~cylindrical~~ rounded rods ~~of lying grilles~~ 1 5	20-00	cwt	2-10-6 ~~4-11-0~~ 0-16-0	
- do -	Bending rods and tying grills in centering 1 5	5-12-0	- do -	3-7-5	
				7 0 0	9 0 0
12)	Measuring out of ~~cement~~ sand & 1 1½ 3 metal 3/4" size broken stone 100 cft				
100 cft	Broken stone 3/4" size	42-00	WO cft	42-0 0	
50 cft	Sand	2-8-0	"	1-4 0	
33⅓ cft	cement	82-8-0 ~~40-0-0~~	ton	120-0 0	
5 0 cft	Measuring vessel	4-8-0	WO cft	2-4 0	
½ NO	Masons	2-12-0 ~~3-2-0~~	each	1-9 0	
5 NOS	Mens Mazdoors	1-8-0	"	7-8-0	
2 NOS	women mazdoors	0-12-0	"	3 0 0	
100 cft	Lead for stone	1-15-0	WO cft	1-15-0	
50 cft	Lead for sand	1-9-6	"	0 12-6	
33⅓	Lead for cement	56-15-6 ~~52-11-6~~	"	17-8-0	
				0-3-8	19 ~~8~~
13)	Rough stone dry packing for ~~round~~ reinforcement 1 Total	195-80		~~198-0-0~~	195-8
110 cft	Rough stone	16-0 0	WO cft	17-9-7	
1 NO	Woodcutter	3-0-0	each	3-0 0	
~~2 NOS~~	~~Mazdoors~~	1-8-0	"	~~2-8-0~~	
~~1 NO~~	~~Woomen mazdoor~~	0-12-0	"	~~0-12-0~~	
110 cft	Lead for stone			1-8-0	

384,368—24-10-51. C.F. 150 (1).

DETAILED ESTIMATE.

29

Taluk

District

Date and cost of original construction

Village and Survey

Date and cost of last repairs

Name and number of work

Details of work.	Number.	Measurement in feet. Length.	Breadth.	Depth.	Area or contents.	Total quantity of each description of work.
Formation of a Paved dip in O/A						
1) Earthwork excavating foundation in ordinary gravel. For apron	1	40·0	12'0"	1'-0"	480	
Dip	1	45·0	2'-0"	0'-6"	270	
					750	1000 c ft
2. Earthwork excavation foundation in hard Laterite rocks For exporting	1	85'0"	12'-0"	0'-3"	258	500 c ft
3. Concrete shingle stone in C.M. 1.4:8 for levelling course						
levelling course	1	85'0"	11'-0"	0'-6"	468	
Extra if reqd.					132	
					600	600 c/
4) Concrete shingle stone in C.M. 1:2:4						
Top layer	1	85'0"	11'0"	0'-4"	312	
Retaining wall	1	85'0"	1'-0"	1'-0"	85	
					397	400 c
5) Unforseen items if any.						
6) Petty supervision charges.						

Counter signed.

22/2 DIVL. ENGINEER, HIGHWAYS, BANGALORE.

27/4

Bhagwan Das 3/4/53

DETAILED ESTIMATE. 384,366—24-10-51. C.F.

29

District — Taluk

Village and Survey — Date and cost of original construction

Name and number of work — Date and cost of last repairs

Details of work.	Number.	Measurement in feet. Length.	Breadth.	Depth.	Area or contents.	Total quantity of each description of work.
Formation of a Paved dip in					0/4	
1) Earthwork excavating foundation in ordinary gravel. For apron	1	40·0	12'0"	1'-0"	480	
Dip	1	45·0	12'0"	0'-6"	270	
					750	1000 c ft
2. Earthwork excavating foundation in hard laterite rock. For enforcing	1	85'0"	12'-0"	0'-3"	258	500 c ft
3. Concrete shingle stone in C.M. 1.4:8 for levelling course.						
levelling course	1	85'0"	11'-0"	0'-6"	468	
Extra if reqd.					132	
					600	600 c/
4) Concrete shingle stone in C.M. 1:2:4						
Top layer.	1	85'0"	11'0"	0'-4"	312	
Retaining wall	1	85'0"	1'-0"	1'-0"	85	
					397	400 c
5) Unforseen items if any.						
6) Petty supervision charges.						

Countersigned.

22/2P DIVL. ENGINEER, HIGHWAYS, BANGALORE. 16/9

3/1

2114

P Bhagavanulu 3/4/53

7 C

Data sheet to accompany the estimate for Formation of a Paved dip in O/4.

Quantity.	Description of work.	Rate. RS.	A.	P.	Per	Amount. RS.	A.	P.	Total.
	1) Earthwork excavating foundn in ordinary gravel.				1000 cft				
1000 cft	—	18	14	0	1000 cft	18	14	0	18-14-0
	2) — do — in hard Cellular rock				1000 c ft				
1000 cft	— —	33	14	0	1000 cft	33	14	0	33-14-0
	3) Concrete shingle & lime mix @ 1:4:8. for levelling course				100 c ft				
100 c ft	Shingle obtained similar to S T 361	2	8	0	100 c ft	2	8	0	
"	Sand ½ Kg headload	1	9	0	"	1	9	0	
50 c ft	Sand.	2	8	0	"	1	4	0	
50 c ft	Sand for sand 3 miles round	16	6	0	"	8	3	0	
		87	8	0		43	12	0	
12½ c ft	cement	40	0	0	ton	40	0	0	
12½ c ft	Sand for cement 18 miles round	5	12	6	100 c ft	0	11	7	
50 c ft	Mixing mortar	4	8	0	"	2	4	0	
½ NO	Mason	3	2	0	each	1	9	0	
500	Man Khazdoor		3	0	"	1	5	0	
400	women Khazdoor		0	12	0	"	3	0	0
	Sundries					0	7	2	
						0	5	2	
						8	0	0	
	Total					78	8	0	78-8-0

PTO.

32

P.W.D. V-[redacted]7,603—4-4-51.

Data sheet to accompany the estimate for

Quantity.	Description of work.	Rate:			Per	Amount.			Total.
		RS.	A.	P.		RS.	A.	P.	
4)	Concrete shingle slabs								
C M	1 : 2 : 4.	100 cft							
100 cft	Shingle stone similar to 361	2	8	0	100 cft	2	5	0	
"	Sand ½ Hg hand load	1	9	0	"	1	9	0	
		1	13	0	"	1	14	0	
50 cft	Sand	2	8	0	"	1	4	0	
"	Head for sand as above	10	6		"	8	3		
25 cft	cement	87	8	0		87	8	0	
		40	0	0	100 cft	40	0	0	
25 cft	Head for cement as above	5	12		100 cft	12	1	3	
50 cft	Mixing mortar	4	8	0	"	2	4	0	
½ No	Mason	3	2	0	each	1	9	0	
5 Nos	Man Mazdoor	1	8	0	"	7	8	0	
4 Nos	woman mazdoor	2	12	0	"	3	0	0	
	Sundries					0	5	4	
						13	8	0	131 5
	Total	128	10	0		128	10	0	

Certified that the rates are correct to the best of my knowledge.

Countersigned. [signature] 3/4/53

Dy. E.

DIVL. ENGINEER,
HIGHWAYS, MANGALORE.

23/4

Abstract Estimate. C.P. No. (4).

1) Foundation of Power dig m 0/4 33

Quantity. (1)	Description of work. (2)	Item number in the schedule of rates. (3)	Rate. (4) Rs.	A.	P.	Per (5)	Total. (6) Rs.	A.	P.	Amount. (7) Rs.	A	P.
1000 c ft	1) Earth work excavation ground in ordinary ground		15	4	0	1000 c ft	19	0	0			
South	2) -do- in hard laterite rock.		33	4	0		17	0	0			
600 c ft	3) Concrete shingle stone in C M 1:4:8 for bedding course		78	8	0		471	-	-			
			~~80~~	0	0		~~480~~	0	0			
400 c ft	4) Concrete shingle stone in C M 1:2:4		128	10	0		515	-	-			
			~~131~~	8	0		~~526~~	0	0			
4	5) Superson clean						95	-	-			
							~~25~~	0	0			
	6) Petty supervision Charges						33	0	0			
	Supervision charges at 5 per cent						1100	0	0			

Grand Total Estimate .. 1100/-

Superson clean Rem

Divisional officer (or other countersigning officer to be named).

76 3/4/53

Sanctioned for 194 -194 .

Countersigned

Signature and designation of the officer submitting this estimate.

Collector or other sanctioning officer (to be named).

24 / 24

DIVL ENGINEER, MANGALORE.

Tahsildar or other officer (to be named).

(5) 2/4 2/4

Specification

District

Road Work - 3 Miles - Peoples' contribution } Rs 8000/-

Taluk

Village No.

Amount of Estimate for paved dip } Rs 1100/-

Name of work No.

Amount of Estimate for Bridge } Rs 11400/-

Total amount of Estimate } Rs 12,500/-

ESTIMATE ABSTRACT.

Sanctioned for Rs 12,500/- (Rupees Twelve thousand five hundred) only.

Budget head

Main head

Sub-head

O/C - W 30/10/53
for A.C.P.
Rdb (C.R.)

Amount of Estimate

Sanction number and date

To be carried out by

C.P. 150 (2).

199,169—17-11-52.

Copy of the letter Ref:C.No.241/52-B dated 9-2-1953 from the Project Executive Officer, Mangalore, South Kanara District to the Director of Community Projects and Ex-Officio Secretary to Government, Fort St.George, Madras-9.

--o--

Sub:- COMMUNITY PROJECTS - South Kanara - Block I - Road from Permude to Mangalpet - Estimate - Sanction - Requested.

I submit herewith an estimate in duplicate together with the site plan etc. for the formation of a road from Permude to Mangalpet. It is a three mile road. It starts at Mile 17/4 on the Mangalore - Gurpur - Mulky Road, passes through Permude and Kuthethoor villages which have no proper roads at present and joins the Bajpe - Surathkal Road at Mile 4/3. At mile 2/4 of the proposed road, there is already a road which passes through Kuthethoor village and connects it with the villages of Yekkar, Kinnigoly etc. The proposed road will not only connect Permude village, with Bajpe which is the Mandi Centre for Block I, but will also be useful to a number of villages such as Kuthethoor, Surathkal, Yekkar, Kinnigoly etc. The work is included in the list of works approved by the Project Advisory Committee and in the programme for 1952-53.

2. The entire length of the road is three miles. A cart-track exists already to a length of about half a mile at either end of the proposed road. It is not wide enough for vehicular traffic. The proposal is to lay the entire road to a width of 18'-0". A bridge of 2 spans of 15'-0" and a paved dip are also necessary. The entire estimate is for Rs.21,500/-. The earth work costs Rs.8,000/-. The cost of the paved dip and the bridge are Rs.1,000/- and Rs.12,500/- respectively. The villagers have promised to do the earth work at their own cost in addition to parting with their patta lands through which the road is to pass. The paved dip and the bridge costing Rs.13,500/- in the aggregate have to be constructed from Community Project funds. It is not possible to secure greater contribution from the villagers. As the work is a very useful one and as sufficient cooperation is also forthcoming I submit the estimate for sanction. The villagers have already commenced the work and about 1¼ mile of road has already been formed. The Collector also inspected the work on 29-1-53 when many of the villagers were at work. It may be sanctioned on the understanding that the earth work costing Rs.8,000/- is to be done by the villagers themselves in addition to gifting away the land required, and that the Community Project is to bear the expenditure on the construction of the paved dip and the bridge which together cost Rs.13,500/-.

(True copy)

17/11/53

37

Copy of Memo. No. 2750 Pub.(C.P.II)/53-1 dated 19-2-1953 from the Deputy Secretary to Govt., Pub.(Community Projects) Department, Fort St.George, Madras to the Project Executive Officer, Mangalore.

Sub:- COMMUNITY PROJECTS - South Kanara Area - Estimate for construction of road, paved dip and bridge between Permude to Mangalpet.

Ref:- From the Project Executive Officer, Mangalore, Ref.C.No.241/52-B dated 9-2-1953.

The Project Executive Officer, Mangalore is informed that as the earth work costing Rs.8,000/- is to be done by the villagers themselves no estimate is necessary for this item of work. The estimates for constructing the paved-dip and the bridge only amounting to Rs.13,500/- will be necessary and they may be sent to the Divisional Engineer (Highways). South Kanara for scrutiny and tebhnical approval and then submitted to Government for according sanction. The plans and estimates submitted with the reference cited are therefore returned to the Project Executive Officer for necessary action.

(True copy)

Copy of note file bearing C.No.2750/53 from Public (C.P.II)Department.

Sub:- COMMUNITY PROJECTS - South Kanara Area - Road from Permude to Mangalpet - Estimate.
Ref:- From the Project Executive Officer, Mangalore, Ref.C.No.241/52-B dated 9-2-53.

Please see the letter cited above from the Project Executive Officer, Mangalore. The estimate submitted by the Project Executive Officer for Rs.21,500/- for the formation of a road from Permude to Mangalpet is made up of:-

i)	Earthwork for forming road ...	Rs. 8,000/-
ii)	Formation of a paved dip. ...	Rs. 1,000/-
and iii)	Constructing a bridge of 2 spans of 15'-0" each. ...	Rs.12,500/-
		Rs.21,500/-

Since it is an earthern road, the earthwork for forming the road costing Rs.8,000/- should be done by the village population itself and the formation of the paved dip and the construction of the bridge (items (ii) and (iii) above) together costing Rs.13,500/- may be done meeting the expenditure thereon from out of C.P. Funds, as stated by the Project Executive Officer. The estimate and designs for the construction of the paved dip and bridge involve high technical authority for scrutiny and execution. Hence the Project Executive Officer may be asked to separate the estimate for these two items of work costing Rs.13,500/- and send the same to the Divisional Engineer (Highways) South Kanara for his technical scrutiny and thereafter to submit the same for according sanction. No estimate for earthwork for forming the road is necessary and hence need not be sent. Subject to orders a draft memorandum is submitted for approval.

C.S.S. K.S.
A & S.O. D.S.
19-2-1953. 19-2-53.

(True copy)

Public (C.P.) Dept.

Camp : Mangalore,
Dated 28-5-1953.

The construction of a road, paved dip and bridge between Peramude and Mangalpet joining Surathkal Bajpe Road is under correspondence in our office Memo. No.2750 Pub.(C.P.II)/53. I am told that this is pending with the Divisional Engineer for technical scrutiny. The road work has been done entirely by the people themselves and it is gratifying that voluntary offers are coming forward from the local residents inspite of the difficult terrain in which such works have to be executed. D.S. may see.

C.S.S. K.S.
A & S.O. D.S.
28-5-1953. 30-5-53.

The previous correspondence on the subject is contained at page 3 ref. (S). This may be lodged and filed with papers at (S).

C.S.S.
A & S.O.
4-6-1953.

17/11/53 (True copy)

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